

ABSTRACT OF THE DISCLOSURE

A wheel assembly for a vehicle, includes a wheel rim (16) and a tire (18) defining a closed space (30) therebetween which is filled with a pressurized gas. The inventive wheel assembly also includes a pressurized-gas reservoir (40) and elements (50) for selectively connecting the pressurized-gas reservoir (40) to the closed space (30) defined between the wheel rim (16) and the tire (18). The pressurized-gas reservoir (40) is rotationally fixed to the wheel rim (16).